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LAW OFFICES OF JONATHAN ALAN QUINE

By: *Jonathan Alan Quine*

Atty Docket No: 1012E-909701US
Client Ref: SJK/FP575965

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Thomas W. Rademacher; Hugo Caro

Application No.: 09/775,856

Filed: 2/1/2001

For: **Cyclitol Containing Carbohydrates
From Human Tissue Which Regulate
Lipogenic Activity**

Examiner: Unknown

Art Unit: 1623

PRELIMINARY AMENDMENT

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated April 3, 2001, Applicants respectfully request reconsideration of the above-identified application in view of the following amendments and remarks. The following document(s) accompany this paper:

- 1) Copy of Notice to File Corrected Application Papers.

Please amend the specification and/or claims as follows.

In the Abstract.

Please enter the following abstract into the application after the claims:

ABSTRACT OF THE DISCLOSURE

The application relates to the purification and characterization of a family of A-type inositolphosphoglycans (IPGs) from human liver and placenta. These substances are shown to have the biological activity associated with A-type IPG fractions, namely regulating lipogenic activity and inhibiting cAMP dependent protein kinase. The characterization of the compounds demonstrates that they contain metal ions, in particular Zn^{2+} , and optionally phosphate. The compounds and their

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